

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P580259

Luminaire Tested: **HCC4S30D010SL-HM43040827-41WDWB**

Issue Date: 9/9/2021

Test Information

Test Method: LM-41-14
Report Number: P580259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2106-266-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/9/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC4S30D010SL-HM43040827-41WDWB
Description: HALO COMMERCIAL 4" ROUND, NEW CONSTRUCTION FRAME, WITH 4" WIDE DISTRIBUTION, WHITE BAFFLE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

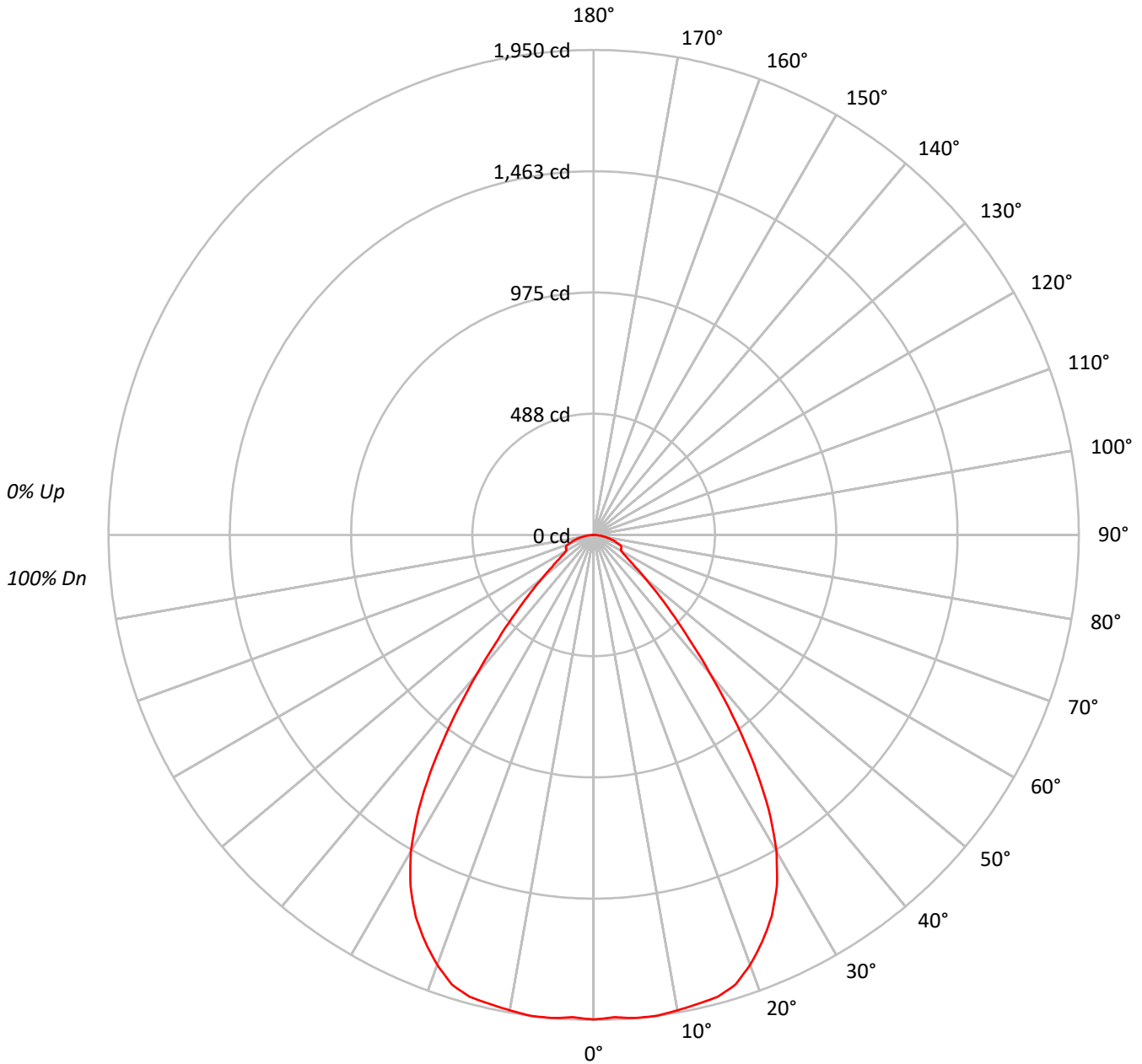
Lumens per Lamp: N/A
Luminaire Lumens: 2927.3 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.07
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 28
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P580259
CATALOG NUMBER: HCC4S30D010SL-HM43040827-41WDWB

Luminous Intensity Polar Plot





TEST NUMBER: P580259
 CATALOG NUMBER: HCC4S30D010SL-HM43040827-41WDWB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90				
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80				
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72				
4	91	82	75	70	89	81	74	69	78	73	69	76	72	68	74	70	67	65				
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59				
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54				
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49				
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46				
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42				
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	240314
5°	241455
10°	243120
15°	245548
20°	241443
25°	230344
30°	209268
35°	168812
40°	117123
45°	76892
50°	51523
55°	36687
60°	31330
65°	36016
70°	38588
75°	37220
80°	33527
85°	30852



TEST NUMBER: P580259
 CATALOG NUMBER: HCC4S30D010SL-HM43040827-41WDWB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	6.3
10°-20°	540.2	18.5
20°-30°	771.8	26.4
30°-40°	689.4	23.6
40°-50°	353.6	12.1
50°-60°	160.8	5.5
60°-70°	119.9	4.1
70°-80°	81.6	2.8
80°-90°	24.2	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1497.8	51.2
0°-40°	2187.2	74.7
0°-60°	2701.6	92.3
0°-90°	2927.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2927.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1948	
5°	1950	186
15°	1923	540
25°	1692	772
35°	1121	689
45°	441	354
55°	171	161
65°	123	120
75°	78	82
85°	22	24
90°	0	



TEST NUMBER: P580259
CATALOG NUMBER: HCC4S30D010SL-HM43040827-41WDWB

CANDELA DISTRIBUTION (FULL):

	0°
0°	1948.3
2.5°	1941.1
5°	1950.1
7.5°	1950.1
10°	1941.1
12.5°	1931.9
15°	1922.9
17.5°	1895.7
20°	1839.4
22.5°	1770.5
25°	1692.5
27.5°	1594.5
30°	1469.3
32.5°	1309.7
35°	1121.1
37.5°	919.8
40°	727.4
42.5°	567.8
45°	440.8
47.5°	344.7
50°	268.5
52.5°	210.4
55°	170.6
57.5°	143.3
60°	127.0
62.5°	123.4
65°	123.4
67.5°	119.7
70°	107.0
72.5°	92.5
75°	78.1
77.5°	61.7
80°	47.2
82.5°	34.5
85°	21.8
87.5°	9.0
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)